

**THE ANNUAL QUALITY ASSURANCE
REPORT (AQAR)
OF THE IQAC**

Year of Report: 2003-2006

SUBMITTED TO

**NATIONAL ASSESSMENT AND ACCREDITATION
COUNCIL, BANGALORE**



SUBMITTED BY

**Pt. RAVISHANKAR SHUKLA UNIVERSITY
RAIPUR (CHHATTISGARH)**

The Annual Quality Assurance Report (AQAR)
of the IQAC

Name of the Institution: : Pt. Ravishankar Shukla
University, Raipur – 492 010
(Chhattisgarh)

Year of Report: : 2007-2008

Name of the Head of the Institution: : Prof. S.K. Pandey

Ph. No. Office: : 0771-2262857

Residence: : 0771-2262460

Mobile: : 098266-15336

e-mail: : skp@iucaa.ernet.
proskp@gmail.com

Fax: : 0771-2262469

Name of the IQAC Coordinator: : Dr. A.K. Gupta

Ph. No. Office: : 0771-2262631

Residence: : 0771-2262410

Mobile: : 09300207548

e-mail: : akguptarsu@hotmail.com

Part A: The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and outcome achieved by the end of the year

The plan of action chalked out by the IQAC in the beginning of the year aimed at overall development of the University. Ample thrust was given to both infrastructure and academic developments of the teaching departments as well as the Research departments.

Pt. Ravishankar Shukla University, Raipur needs to establish an International Campus that would have world-class quality education, infrastructure, entrepreneurship, and intellectual incubation in the areas of emerging technologies and knowledge-based disciplines that are growing rapidly. Industry-Academia cooperation is a distinctive and indispensable component for their respective continued existence and growth. India is already a key leader through its' active role in development of future technologies and human resources for these disciplines. University has prepared a Master Plan 2020 document which visualizes a new forward-looking International University Campus that is globally competitive in academic excellence with professionalism and self-reliance and will provide impetus to nation-building and global competitiveness.

Plan of action:

- To introduce Five year integrated mes in selected subjects to attract young and bright students soon after they pass out 10 + 2 stage, to instill scientific temper, to prepare the students for pursuing research career in basic subjects.
- To introduce M.Phil. in all subjects to promote research culture in the campus.
- To adopt Semester system in all courses of School of Studies.
- To develop quality benchmarks for various academic and administrative activities of the institution.
- To enhance infrastructure; to provide adequate space for Controller office, administrative block, research lab, seminar hall, class rooms for the newly started courses and acquiring a new vehicles to cater to the needs of the administration & examination.
- To initiate functional virtual class rooms with help of EVER "O" NN, a technology based education centre, to provide courses on English Enhancement and Software Testing to students.
- To update University web-site.
- To create and foster an environment conducive for research by encouraging staff to undertake minor and major research projects, disseminating of information on various research agencies and grants provided by them and conducting input sessions on quality enhancement through research.

Annual Quality Assurance Report: 2007-2008

- To augment infrastructural facilities in library and subscribing to more number of journals for the benefit of the staff and students.
- To encourage faculty to publish their research outcome.
- To introduce and to operate redress grievances cell
- To provide students with the exposure to contemporary social reality through extension me and facilitating community empowerment through a convergence and involvement of various departments.
- To evolve standard and effective assessment procedures for evaluating projects in PG courses.
- To explore possibilities of innovations in course structure and syllabi to meet the growing demands of employer and introducing ICT to make.
- To develop revised questionnaire for student feedback on teaching-learning to ensure quality in teaching.
- To promote student-centered learning and using new technology to enhance the teaching-learning process. teaching-learning process effective.

PART B

01. Activities reflecting the goals and objectives of the institution:

School	Goals and objectives
Anthropology	<p>The discipline of Anthropology uniquely focuses on understanding humans (as a biological and social being) and human behavior through a cross-cultural perspective. There has been unanimity about reinforcing the holistic image of Anthropology including socio-cultural, biological and archaeological areas. Therefore, the department from its inception has been engaged in Tribal Studies from holistic perspective. Anthropology, because of its inter-disciplinary nature, has a potential to develop its identity as QUEEN of all sciences. It is sitting on the gold mine of rich data, created and being created by dynamic human endeavor. It is a discipline for future since it draws linkages between past, present and future, and has predictive ability.</p> <p>The activities to achieve the goals are:</p> <ul style="list-style-type: none">i) Imparting scientific knowledge and value added education through best teaching & research facilities and participatory field trainingii) Exposure to the front line research areas through hands-on-training, workshop, seminar, conference, interaction with visiting fellow and guest faculty for capacity buildingiii) Inculcate the spirit of scientific temper and humanityiv) Research and publications in various dimensions of Anthropologyv) To develop high quality R & D to compete on the international scalevi) Capacity building to cater the needs of the state and nation & thereby Nation building.vii) A strong emphasis is placed on interactions and collaborations on scientific issues to achieve excellence in the field of Anthropology thereby higher education.
Biotechnology	Conducting research in the biotechnological domain especially in the areas most relevant to the needs of the State.

Annual Quality Assurance Report: 2007-2008

Chemistry	The School of Studies in Chemistry was established in the year 1972. At present 07 teachers are teaching and working in wide areas of research, viz., QSAR and Drug Design for Anti-tumor/ Anti-cancer activity, Environmental Analysis and Physical-Organic Chemistry. The teachers of the department awarded projects from various funding agencies, UGC, CSIR, DST, DRDO, C-COST, ISRO and MOEF. Besides, department is funded under DST-FIST program for its excellence in teaching and research, by the Department of Science and Technology, New Delhi, and under Non-SAP programme of UGC.
Computer Science	The Department attempts to develop skills and entrepreneurial capabilities and helps in upgrading of technology and expertise. Arranging seminars, workshops, conferences and short-term projects it ensures the dissemination of emerging knowledge and expertise in the areas of high and futuristic technology. In addition to this, extra curricular activities, guest lecturers, quizzes etc. are arranged from time to time to aid the overall development of students. Recently the department has introduced e-classes for students and others by broadening the network connection while connecting it with EDUSAT program. This avails us the facility of on-line lectures of renowned professors in different fields working at different universities in the different branches of Computer Science, different Engineering fields and much more. SoS in Computer Science, Raipur, is now among the selected 16 Universities of the country to have the advance satellite communication device "V-SAT" having installed at our Department for high-speed Internet connection and e-journals.
Economics	Teaching and Research work is carried out in accordance to the curriculum.
Institute of Teachers Education	To provide well trained teachers to the society for the fulfillment of quality education.
Electronics	Main goal and objective of the department is to spread electronics science and its application in real life within and out side the state. This is accomplished by providing good teaching environment among students of the SoS. Faculties have tried their best to provide the knowledge of electronics to the students of the department. Activities regarding the fulfillment of the goals and objectives of the department are mainly student's seminars and project works, specialized lecturers delivered by subject experts, Internet facilities, e-classes

Annual Quality Assurance Report: 2007-2008

	through audio-visual aids, e-library, Analog & Digital lab, Digital Communication lab, Optical Fiber Communication, Microprocessor, Microcontroller and Embedded System lab, VLSI Development lab, Microwave Test bench Laser optic lab, PC-based Robotics System, virtual instrumentation lab through Lab View software and advanced computing/ Digital Signal Processing through latest version of Matlab.
Geography	Teaching, Learning & Research.
Geology	Teaching and Research work is carried out in accordance to the curriculum.
History	Teaching & Research
Law	Students contribute significantly in the area of the legal services.
Library & Information Science	The School of Studies in Library & Information Science was instituted in 1971 with the help of professional staff of Sunder Lal Sharma Granthagar (Central Library of Pt. R.S.U.) Looking to the demand for more qualified personnel in different institutions, the University created two regular posts (One Reader & One Lecturer) for the first time in the VII plan which leads to the starting of Master of Library and Information Science Course in 1988. Now, the Department runs B.Lib. I.Sc., M.Lib. I.Sc. M.Phil. and Ph.D. Programs with 4 teachers. (One Reader & 3 Lecturers)
Life Science	The School is engaged in quality teaching, research and extension activities with the aim of fulfilling the aspirations and the desire of people of this region.
Literature & Languages	Teaching and Research work is carried out by the school.
Mathematics	The school promotes study & research activities in the field of Analysis and Cryptography.
Institute of Management	MBA, which is the core program of the institute, itself is so designed that it meets the very objective of the setting up of this institute. Further, to fulfill the mission, the institute conducts Seminars, Workshops, Presentations, Guest Lectures inviting people from local industry and outside as well as the reputed entrepreneurs, who from time to time give suggestions to strengthen the core program to enable the final products of this institute to benefit the need of the industry in particular and the society as whole.
Institute of	To evaluate and elaborate the 'Institute of Pharmacy' at par with the national premier pharmacy institute.

Annual Quality Assurance Report: 2007-2008

Pharmacy	
Philosophy & Yoga	Research, Seminars, Conferences & Publications
Physical Education	<p>Physical Education and sports is always an important part of all educational institutions. In modern days the importance of competitive sports is observed by everyone through various medias, other than this, physical education has various aspects as health, fitness, well-being etc., which is undertaken in different courses.</p> <p>Objectives</p> <ol style="list-style-type: none">1. To impart Physical Education so that the product of this institution is trained to uplift the standard of sports in Chhattisgarh.2. All round development of human personality.3. Rehabilitation program for social adjustment of injured, sick and handicapped.4. Preventive and curative functions for several diseases and ailments affecting human body and mind.5. To provide healthy and socially accepted opportunity for the people to compete and reach to excellence in respective fields.6. Research and tribal sports persons of Chhattisgarh who have immense potentialities in sports are asset of the state various aspects of the sports performance of these sportspersons need to be studied to explore the potentialities.
Physics	<p>SoS in Physics offers courses leading to M.Sc. degree with specializations in solid state physics & astrophysics. The specializations are based on completion of project work which involves studies based on preliminary research work. It also offers courses leading to Ph.D. degree based on research work in front line areas, viz., Condensed Matter Physics, Solid State Ionic Materials, Nano-Crystalline Materials & Astronomy & Astrophysics.</p>

Annual Quality Assurance Report: 2007-2008

Psychology	<p>(i) Imparting scientific knowledge of Psychology to M.A., M.Phil, Diploma students.</p> <p>(ii) Research in different fields of Psychology is being conducted by Teachers and Research Scholars</p> <p>(iii) Guidance and Counselling to the individual of different sectors.</p> <p>(iv) Organization of workshops for training the HIV/AIDS counsellors.</p> <p>(v) Motto is to provide quality education and to help students to achieve excellence in the field of Psychology and life in general</p>
Regional Studies	To coordinate and conduct researches on regional problems

02. New academic programmes initiated (UG and PG):

School	New academic programmes
Anthropology	Five-year Integrated M.Sc. Forensic Science
	Five-year Integrated M.Sc. Anthropology
	M.Phil. Anthropology (2007-2008)
Biotechnology	Five-year Integrated M.Sc. course
	M. Phil. Biotechnology
Chemistry	Five-year Integrated M.Sc. course
	M. Phil. course
Computer Science	M.Sc. (CS) - Integrated Course and M. Phil. started
Economics	Five-year Integrated M.A. course
Electronics	M.Phil (Electronics) course started
	SoS Electronics has submitted a four semester M.Tech. Course in "Optoelectronics and Laser Technology" to UGC, New Delhi, under UGC innovative programme: Teaching and Research in Interdisciplinary and Emerging Areas.

Annual Quality Assurance Report: 2007-2008

Geology	Five-year Integrated M.Sc. Course in Geology was started
Law	B.A.LL.B 5-year course; M.Phil.
Library & Information Science	M.Lib. I.Sc. (Part-Time, 2 years Course) M. Phil.
Life Science:	i. M. Phil. Bioscience was reactivated from session 2007--2008. ii. Five-year Integrated M.Sc. program in Bioscience and Microbiology has been initiated from session 2007-08.
Literature & Languages	M. Phil., Five-year Integrated Course
Mathematics	Five-year Integrated M.Sc. & M.Phil. Course
Institute of Management:	M.Phil in Management Post Graduate Diploma in Marketing Management
Philosophy & Yoga	B.A. (Integrated) + M.A. Applied Philosophy & Yoga
Physical Education	M.Phil in Physical Education
Physics	Semester system based on model course structure provided by UGC has been introduced.
	M.Phil. course & Five-year Integrated M.Sc. course started.
Psychology	M.Phil. Clinical Psychology; Diploma courses in Psychological Guidance and Counselling; Personnel Management and Industrial Relations (PMIR); M.A. in Clinical Psychology.
Regional Studies	P.G. Diploma in Regional Planning and Development
Sociology	Five-year Integrated M.A. Course
Statistics	Five-year Integrated M.Sc. Course

03. Innovations in curricular design and transaction:

Annual Quality Assurance Report: 2007-2008

School	New Course
Ancient Indian History Culture & Archaeology	Syllabus revised and redesigned
Anthropology	UGC Model curriculum was adopted.
	In addition, time-to-time the syllabi of Anthropology and Forensic Science have been reviewed and revised to maintain high academic standards by updating syllabi & to keep pace with the contemporary knowledge and state-of-the art information in all branches of Anthropology and Forensic Science through: Continuous curriculum evaluation Regular meetings of the Board of Studies in Anthropology suitably modify and revise the curricula every year (The last meeting of Board of Studies was held on 25.09.2008).
Biotechnology	Finalized the syllabus of various courses in Biotechnology (As per UGC norms).
Chemistry	Syllabus of Semester system is revised.
Electronics	Syllabus for Five-year Integrated M.Sc. and P.G. courses is revised in every meeting of B.O.S.
Geography	Syllabus designed as per UGC Model Syllabus
Geology	The syllabus for M. Phil. Course redesigned.
Law	Syllabus was designed for B.A.LL.B and M. Phil (Law) courses.
Library & Information Science	Every year in the BOS meeting syllabus is updated. Looking at the need of Computer application in the libraries, the BOS recommended introduction of I.T. papers in B. Lib., M. Lib., & M.Phil.
Life Science	i. Syllabus drafted for M.Phil. Bioscience and Five-year Integrated M.Sc. course ii. Practical is being reoriented and upgraded employing new tools and techniques. iii. Syllabus is upgraded in every BOS meeting.
Mathematics	Introduced new papers, namely Financial

Annual Quality Assurance Report: 2007-2008

	Mathematics & Cryptography
Institute of Management	Besides eight weeks in-plant summer training, which is compulsory for every MBA students, we have made two research projects also compulsory in our curriculum, to make the students interact with the industry and the consumers at regular interval to be aware of practical applications of theory taught in class rooms and develop their confidence, managerial attitude, aptitude, and decision making skills.
Institute of Pharmacy	Syllabus regularly updated in BOS meetings.
Philosophy & Yoga	Course curriculum updated
Physical Education	Training, at various stages of the course are given, to make the students interact with the school and college pupil and the players at regular interval to be aware of practical applications of theory taught in class rooms and develop their confidence, command and control. Students are sent to different school for teaching practice. Students are encouraged to deal with various aspects of sports.
Physics	Syllabi framed for semester system have been implemented. Also syllabi for M.Phil. & Five-year' integrated courses are framed.
Psychology	Time to time curriculum is reviewed and the advance Knowledge/Research in the field of Psychology are incorporated.
Statistics	Syllabus framed for the Five-year Integrated M.Sc. course.

Annual Quality Assurance Report: 2007-2008

04. Inter-disciplinary programmes started:

School	Inter-disciplinary programmes
Anthropology	<p>The nature of Anthropology is inter-disciplinary therefore the SoS has initiated collaborative research and/or Ph.D. program with the following institutions:</p> <p>Indian Statistical Institute, Kolkata; Anthropological Survey of India, Kolkata; Regional Cancer Institute, Pt. J.N.M. Government Medical College, Raipur; State Forensic Laboratory, Raipur; Tribal Research Institute, Government of Chhattisgarh, Raipur; School of Life Sciences, Pt. Ravishankar Shukla University, Raipur; School of Biotechnology, Pt. Ravishankar Shukla University, Raipur; School of Regional Studies, Pt. Ravishankar Shukla University, Raipur; School of Physical Education, Pt. Ravishankar Shukla University, Raipur; Center for Women's Studies, Pt. Ravishankar Shukla University, Raipur; School of Psychology, Pt. Ravishankar Shukla University, Raipur</p>
Biotechnology	Proposed M.Sc. Bioinformatics course in collaboration with Computer Science.
Chemistry	Individual teaching faculties of this department carry out interdisciplinary work. Special emphasis has been given on QSAR and Drug Design for Anti-Tumor and Anti-Cancer Activities, Characterization of Atmospheric Aerosols, Green House Gases, Black Carbon, Material Science and Enzymes kinetics etc. In future some inter-disciplinary courses are planned to be introduced like Medicinal Chemistry, Environmental Toxicology and Chemical Biology.
Geography	Assisting SoS in Geology in running Diploma Course in GIS

Annual Quality Assurance Report: 2007-2008

Life Science	<p>Inter-disciplinary research is going on in the department in the area of Chronobiology, Parasitology and Vector Biology, Seed Biology, Microbiology and Plant Tissue Culture.</p> <p>M.Sc. Students are going for their project work in various universities and national laboratories.</p> <p>Research scholars visited important National Laboratories for higher training.</p>
Physical Education	Interdisciplinary research work is being conducted in association with SoS Anthropology; SoS Psychology; SoS Life Sciences; Medical College, Raipur.
Physics	A joint M.Tech. teaching programme in Electro-Optics, as an Inter-disciplinary program between SoS in Electronics & SoS in Physics has been approved by UGC, New Delhi with a five year grant of Rs.37.25 lacs +Teaching staff of a Reader & Lecture rank.
Psychology	AIDS Counselling in Collaboration with National AIDS Control Organization, New Delhi & Tata Institute of Social Sciences, Mumbai.

05. Examination reforms implemented:

Semester system of examination has been implemented from the current session in all the school of studies. Internal assessment is executed through seminar and tutorials.

06. Candidates qualified: NET /SLET /GATE etc:

School	NET	GATE	SLET	OTHER
Anthropology	6	-	-	-
Biotechnology	-	1	4	-
Chemistry	-	2	-	-
Geology	1	-	-	02 Geologists Exam (UPSC)
Library & Information Science	11	-	-	-
Life Sciences	-	2	1	-

Annual Quality Assurance Report: 2007-2008

Mathematics	4	3	-	-
Institute of Management	1	-	-	-
Institute of Pharmacy	-	14	-	-
Physical Education	5	-	-	-
Sociology	3	-	-	-
Statistics	1	-	-	-

07. Initiative towards faculty development programme:

The UGC-sponsored Academic Staff College has been functioning in the University Campus since 2006. It has been organizing number of refresher courses and orientation programs routinely. The teachers of this University and its affiliated colleges are getting the benefits through augmenting/ refreshing their knowledge and practical skills. The ASC is also organizing workshops for administrative staff and principals of colleges.

In addition teachers of this University have been participating in national and international seminars/ symposia/ workshop etc. regularly.

08. Total number of seminars/ workshops conducted:

School	Number
Biotechnology	1
Chemistry	
Economics	1
Geography	1
Institute of Pharmacy	4
Philosophy & Yoga	2
Physical Education	3
Psychology	4
Regional Studies	2
Sociology	1

09. Research projects

Annual Quality Assurance Report: 2007-2008

School	Newly implemented	Completed
Ancient Indian History Culture & Archaeology	01	-
Anthropology	02	03
Biotechnology	01	-
Chemistry	-	06
Geology	01	01
Life Science	02	03
Literature & Languages	01	-
Institute of Pharmacy	02	03
Physical Education	02	02
Physics	01	-
Psychology	01	-
Sociology	01	-
Mathematics	-	01
Geography	-	01
Economics	-	01

10. Patents generated, if any:

Institute of Pharmacy: Five patents filed

11. New collaborative research programmes:

School	Collaborative research programmes
Anthropology	Anthropological Survey of India, Kolkata
	Human Genetics Unit, Indian Statistical Institute, Kolkata
Biotechnology	Alternate sources of Bio-energy (IIT, Chennai),
	Aerobiology (CGCOST, Raipur).
Chemistry	Bhabha Atomic Research Centre (BARC), MUMBAI Trombay, Mumbai.

Annual Quality Assurance Report: 2007-2008

	Institute of Science, Nagpur.
	Defence Research Development Establishment, Gwalior.
Computer Science	DAAD Sandwich model PhD with German Institute.
Life Science	With BIOCOS, University of Minnesota, USA
	National Institute of Plant Genomic Research, New Delhi
	International Plant Genetic Research Institute, Italy
Physical Education	Working with organization of differently challenged children
Physics	with IUCAA, Pune, which also involves scientists from Australia, USA, France. with Solid State Ionics Group of Department of Physics & Astrophysics, University of Delhi.
Psychology	Collaborative training programmes for AIDS counsellors with State AIDS Control Society and National AIDS Control Organization
	Associated with Research Programs with Physical Education, Anthropology and Education.

12. Research grants received from various agencies:

School	Agency	Amount (INR in lac)
Anthropology	Research projects	25.4
	UGC- SAP DRS	33.0
	State Government	5.0
Biotechnology	CCOST, Raipur	3.7
Chemistry	CGCOST	5.35
	Non-SAP	10.0
	Projects	17.90
Electronics	UGC, New Delhi under the Innovative Program	29.3

Annual Quality Assurance Report: 2007-2008

Life Science	DBT, New Delhi	3.5
	DST, New Delhi	3.5
	UGC, New Delhi	23.5
	CCOST, CG	1.44
Institute of Pharmacy	AICTE, New Delhi	36.78
	UGC, New Delhi	8.92
	CG COST Raipur	2.0
Physical Education	UGC and CCOST	10.0
Physics	CCOST	1.0

13. Details of research scholars:

School	Registered	Submitted	Awarded
Ancient Indian History Culture & Archaeology	1	-	1
Anthropology	3	3	9
Biotechnology	6	-	1
Chemistry	34	-	-
Computer Science	6	-	-
Economics	25	-	-
Electronics	10	-	-
Geography	25	-	-
Geology	5	-	-
History	18	-	-
Law	3	-	-
Library & Information Science	5	-	6
Life Sciences	28	4	2
Management	10	-	-
Mathematics	3	-	-
Pharmacy	5	-	-
Philosophy & Yoga	7	-	-
Physical Education	12	-	-

Annual Quality Assurance Report: 2007-2008

Physics	4	-	-
Psychology	15	-	-
Regional Studies	11	-	-
Sociology	26	-	-
Statistics	8	-	-

14. Citation index of faculty members and impact factor:

Name	Citations received in SCOPUS			From SCOPUS
	2007	2008	Total	h-index
M. Mitra	32	31	63	5
A. Baghel	1	0	1	1
S. Bhushan	6	8	14	2
R.C. Agrawal	39	35	74	9
D.P. Bisen	0	1	1	1
A.S. Gaur	1	1	2	1
R. Pande	7	10	17	3
K.S. Patel	28	18	46	8
K.K. Ghosh	51	46	97	9
M.K. Deb	10	9	19	4
S. Pervez	6	8	14	3
M.W.Y. Khan	0	6	7	2
B.K. Sharma	4	0	4	2
H.K. Pathak	3	9	12	2
B.S. Thakur	2	0	2	1
S. Tiwary	8	10	18	2
O.P. Vyas	2	5	7	1
S. Saraf	15	20	35	3
S. Saraf (Mrs.)	18	29	47	4
V. Rai	24	18	42	4
A.K. Pati	20	27	47	6
A.K. Gupta	1	1	2	2

Annual Quality Assurance Report: 2007-2008

S.C. Naithani	4	10	14	3
V. Koche	1	0	1	2
A. Parganiha	3	8	11	3
K.K. Sahu	1	0	1	2
Arvind Agrawal	3	1	4	2

15. Honors/ Awards to the faculty:

School	Faculty
Life Science	A.K. Pati: P.P.A.K.S. Minhas Award, Vocational Rotatory Award for the session 2007-08 in the field of Science & Technology
Physics	SK Pandey - Member: (i) scientific advisory comm. IUCAA, Pune. (ii) Time Allocation Comm. of IUCAA Telescope
Law	C.L. Patel - Shiksha Ratna Puraskar, Indian International Friendship Society, New Delhi.

16. Internal resources generated:

School	Resources generated (INR in Lac)
Anthropology	2.0
Biotechnology	12.0
Chemistry	1.6
Computer Science	6.1
Electronics	0.3
Law	0.5

Annual Quality Assurance Report: 2007-2008

Library & Information Science	0.5
Life Sciences	11.85
Literature & Languages	0.3
Management	18.0
Mathematics	
Pharmacy	
Philosophy & Yoga	0.75
Physical Education	
Physics	
Psychology	0.90

17. Detailed of departments getting SAP, COSIST/ DST, FIST etc. assistance/ recognition:

School	Assistance/ recognition
Anthropology	33.0 lac (DRS-SAP)
Chemistry	20.0 lac (DST-FIST), 10.0 lac (Non SAP)
Life Science	20.0 lac (DRS-SAP)
Mathematics	2.0 lac (NBHM)
Physics	25.0 lac (DST-FIST)

18. Community services:

School	Community services
Anthropology	Through fieldwork & village study
	Genetic counseling through series of lectures in various Schools and Red Cross Society especially on Sickle cell disease and Health and Nutrition
Biotechnology	Assessing college facility in the field of Biotechnology for the colleges affiliated to Pt. Ravishankar Shukla University, Raipur

Annual Quality Assurance Report: 2007-2008

Chemistry	Prof. Rama Pande is working with NGO
Institute of Teachers Education	Awareness programme is organized every year in the rural and remote areas of Chhattisgarh by the department through the trainee which is an essential part in their curriculum
Geography	Warden & Asstt. Warden Women's Hostel, Pt. R.S.U. Raipur
Law	District Legal Aid Authority Organized Legal Literacy Camp in SoS in Law on 16-10-2007
Library & Information Science	Free consultancy is provided for organizing college libraries of the city. Extension services are provided to public libraries also
Literature & Languages	rendering from time to time to other institutions/bodies
Mathematics	Provided assistance in University Exam by B.K.Sharma & H.K.Pathak
Institute of Management	Tree Plantation programmes in the campus
Institute of Pharmacy	Blood donation camp, Community Pharmacy Programme
Physical Education	Conduction of Sports Tournaments for different organization like Forest Department, LIC, Central School etc
Physics	Science popularization lectures at various schools & colleges of the region, radio talks and Sky-gazing programme using the telescope of Physics Deptt.
Psychology	Psychological consultancy services: Family Counselling; Students counseling; Guidance services; Personality Development programmes organized
Regional Studies	Faculty is engaged in SC/ST development work

19. Teachers and officers newly recruited:

School	Newly recruited teachers
Biotechnology	02

Annual Quality Assurance Report: 2007-2008

Pharmacy	05
----------	----

20. Teaching—non-teaching staff ratio:

School	Teaching—non-teaching staff ratio
Ancient Indian History Culture & Archaeology	2:2
Anthropology	1:1
Biotechnology	4:1
Chemistry	7:8
Computer Science	2:1
Economics:	2:1
Institute of Teachers Education	12:5
Electronics	6:5
Geography	1:0.85
Geology	4:7
History	2:2
Law	2:3
Library & Information Science	4:2
Life Science	1.5:1
Literature & Languages	5:5
Mathematics	3:2
Institute of Management	5:5
Institute of Pharmacy	5:5
Philosophy & Yoga	4:2

Annual Quality Assurance Report: 2007-2008

Physical Education	1:1
Physics	7:10
Psychology	1:1
Regional Studies	1:1
Sociology	5:2
Statistics	4:4

21. Improvements in the library services:

School	Library services
Anthropology	Computer links and networking, E-Journals
Biotechnology	Facility of University Library and INFLIBNET
Computer Science	E - Library facilities under UGC Infflibnet Scheme
Economics	Internet Facilities Available
Electronics	V-SAT and INFLIBNET facilities improve the library services
Geography	Library facility available on Campus Network
Law	Large number of books has been purchased.

22. New books / journals subscribed and their value:

Subscribed Journals with price (Year 2007-08)

Year	Indian Journals		Foreign Journals		Total	
	No. of Journals	Value of Journals	No. of Journals	Value of Journals	No. of Journals (2+4)	Value of Journals (3+5)
2007-08	129	170109.00	67	Payment under process	196	1,70,109.00

23. Courses for which student assessment of teachers is introduced and the action taken on student feedback:

The process of student assessment of teachers will be introduced from the academic sessions, 2008-09. However, in many SoS informal student assessment is being conducted and remedial measures are taken fairly regularly.

24. Unit cost of education:

**UNIT COST OF EDUCATION
FROM YEAR 2007-2008**

No.	Year	Actual Expenditure Amount (Lac)	No. of Students	Unit Cost of Education (Rs.)
01	2007 - 2008	237.82	1342	17,721.00

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

Computerization of the accounts and examination sections and general administration has been completed. Preparations of salary statements, processing of bar-coded marksheets and declaration of result are carried out using this facility. All SoS are equipped with computer facility and many of them are having network laboratories.

26. Increase in the infrastructural facilities:

School	Infrastructural facilities
Anthropology	Forensic science laboratory and Human Genomics Laboratory were established with modern equipments
	Separate new building of Anthropology is under construction.
	Modern Computer Lab established and Lecture halls were fitted with audio-visual and multi-media facilities
Biotechnology	New Building of Biotechnology is under construction (Near about 90 % work completed).

Annual Quality Assurance Report: 2007-2008

Chemistry	<ul style="list-style-type: none"> • Instrumentation room is renovated. • One additional UV-VIS spectrophotometer is obtained for M. Phil. Students. • HPLC (VARIAN) is purchased from UGC grant.
Geography	Purchased DLP, OHP, Theodolite, Dumpy Level, Maps
Law	Photocopy machine, Coolers, Process for purchasing 4 Computers is underway.
Library & Information Science	Computer Lab is available with 06 computers, 02 printers, 01 Scanner, and 01 photocopier machine
Life Science	Infrastructural facilities have been upgraded by the support from UGC as DRS SAP department (Rs. 20 lakh)
Mathematics	Development of Computer Laboratory
Institute of Pharmacy	Expansion of building laboratories and animal house
Physical Education	Extension of building is under construction, New equipments and research instruments were added in Exercise Physiology lab, Sports Psychology lab, Sports Medicine lab, like Tread mill, Leg, Back & Grip Dynamometer, Skinfold Calipers, Actiheart, and Body Composition Analyser etc.
Physics	Following facilities have been created under DST-FIST Program for teaching & research
	(i) 02 Telescopes (8" & 14") alongwith CCD Camera, Photometer and CCD Spectrograph
	(ii) Computing facility 12 PCs in Network
	(iii) UV-VIS-spectrophotometer (Shimadzu) with reflectance attachment
Psychology	The new lab with computerized equipments, computer lab, LCD, OHP
Statistics	Computer Lab & DLP Projector

27. Technology upgradation:

Technology upgradation is being carried out in the university and SoS. It includes upgradation of instrumentation, computer and internet facilities.

28. Computer and internet access and training to teachers and students:

Technological advancement and innovations in educational transactions have been undertaken in the institution to deliver higher education effectively to

Annual Quality Assurance Report: 2007-2008

students. Taking cognizance of the ICT in higher education, the curriculum was so structured as to include papers on computers invariably in all the departments. Computer education for two hours a week for all first year students has been made compulsory. They are given both theoretical and practical knowledge in MS Office.

Successfully implemented UGC INFONET program; It has been has been upgraded from 512 kbps to 2 Mbps SCPC internet connectivity.

Development of Campus Wide Network:

University has developed high speed Fiber Optics Campus Wide Network from its own resources (Costing Rs. 18.0 Lac) to extend the Internet access to all School of Studies, central library and administrative building. The Internet connectivity and access to 200 research Journals under e-consortium provided by INFLIBNET center are available to the academic community of the University.

29. Financial aid to students:

M.Phil. and Ph.D. students avail national/ university scholarships. ST/SC/OBC students receive financial assistance from the state government.

30. Activities and support from the Alumni Association:

School	Alumni Association
Chemistry	Alumni of 1983 Batch organized "SILVER JUBILEE MEET" on June 7-8, 2008 in the department.
	This Batch pledged to generate funds for the department.
Institute of Management	There is an alumni association and alumni meet is conducted every year. The association helps in placement, summer training and guest lectures.
Institute of Pharmacy	Alumni formed. Five batches have passed out
Psychology	Alumni Association formed.

31. Activities and support from the Parent-Teacher Association:

School	Parent-Teacher Association
Anthropology	Time to time interaction with parents and faculty

Annual Quality Assurance Report: 2007-2008

	members of the department
Life Science	Parent teacher meeting is held every year. Admissions are done by counseling and parents are invited. Parents are also invited for interaction in case of need for specific students.

32. Health services:

University has a health Centre where basic facility for treatment and diagnosis are available.

33. Performance in Sports activities:

उत्तर पूर्वी अंतर विश्वविद्यालयीन एवं अखिल भारतीय प्रतियोगिता का विवरण :-

सत्र 2007-2008

1. सत्र 2007-2008 में पं. रविशंकर शुक्ल विश्वविद्यालय की महिला एवं पुरुष टीमों में 345 छात्र/छात्राओं ने भाग लिया।
2. उत्तर पूर्वी एवं अखिल भारतीय प्रतियोगिता में 68 महाविद्यालय के छात्र/छात्राओं ने भाग लिया।
3. उत्तर पूर्वी अंतर विश्वविद्यालयीन नेट बॉल महिला प्रतियोगिता में पं. रविशंकर शुक्ल विश्वविद्यालय की टीम ने प्रथम स्थान प्राप्त किया।
4. उत्तर पूर्वी अंतर विश्वविद्यालयीन महिला बैडमिंटन प्रतियोगिता में चतुर्थ स्थान प्राप्त किया।
5. अखिल भारतीय अंतर विश्वविद्यालयीन महिला शक्तितोलन प्रतियोगिता में कु. सुनीता टोप्पो ने 57 कि.ग्रा. वर्ग में द्वितीय स्थान प्राप्त किया।
6. अखिल भारतीय अंतर विश्वविद्यालयीन महिला शक्तितोलन प्रतियोगिता में कु. सीमा गोप ने 67 कि.ग्रा. वर्ग में तृतीय स्थान प्राप्त किया।

34. Incentives to outstanding sportspersons:

Outstanding sportsperson get weightage during the course of admission as per university rules. Players are provided sports kits, scholarships by SAI, and incentives by the department of Physical Education.

35. Student achievements and awards:

University has been organizing Convocation Ceremony regularly. On this day toppers in all subjects and classes are awarded with the gold medals instituted by the University and/or benevolent donors.

Annual Quality Assurance Report: 2007-2008

In the academic session 2007-08 131 gold medals were distributed to meritorious students on the day of the Convocation.

Annual Quality Assurance Report: 2007-2008

State Award

Name	SoS	Event	Year
Rashmi Sharma	Anthropology	Young Scientist Award, CCOST, Chhattisgarh	2008
Shilpa Sharma	Chemistry	Young Scientist Award, CCOST, Chhattisgarh	2008
Malti Singh	Botany	Young Scientist Award, CCOST, Chhattisgarh	2008
Anjana Kar	Bioscience	Young Scientist Award, CCOST, Chhattisgarh	2008

National Award

Name	SoS	Event	Year
Angesh Chandra	Physics	Best paper award, ISCA	2007
Nishtha Vaidya	Life Science	Best Poster Award, 19th National Symposium on Chronobiology, Madurai	2007

36. Activities of the Guidance and Counseling unit:

School	Status of Guidance and Counseling
Computer Science	The latest trends in the industry are identified by the guidance and counseling unit of the Institute. Students are given inputs regarding the subjects of specialization and area of their interest. The strengths and weaknesses of the students are identified and efforts are made to develop their technical as well as presentation skills.
Electronics	As and when required career guideline and counseling are given to student by faculty member.
Geography	Faculty Members provide guidance and counselling to students appearing in various All India and State level exams.
Law	Students are given guidelines about court proceedings and Bar Bench Relation.

Annual Quality Assurance Report: 2007-2008

Management	Counselling is provided to students to cope up with the pressure of MBA programmes.
Pharmacy	Campus recruitment arranged regularly
Physical Education	Counselling is provided to students to help the players to sustain participation in sports training programme to help them cope up with the stress and strain of competitive sports.
Physics	Students are often encouraged and provided adequate guidance for participation in summer Schools/VSP-Programmes organized at various Research Institutes.
SoS in Psychology	Students are helped and guided based on their psychological assessment.

37. Placement services provided to students:

School	Activity
Anthropology	Various NGOs approach the department to select the students.
Biotechnology	Career/ Job related information is provided.
Chemistry	M.Sc., M.Phil., and Ph.D. Students are placed in various Government and Non-Government organisations, based on their meritorius record.
Computer Science	Proper guidance is available regarding jobs in leading companies for final semester projects and placement. Most of the M.C.A. students get placement in the Companies in which they complete their Final Semester projects. Some of the companies in which the students are working are: TCS Mumbai, TCS Kanpur, TCS Delhi, Price water house coopers (USA), TISCO Jamshedpur, CMC Mumbai, Infosys Bangalore, Ministry of Defence (Govt. of India New Delhi), NIC Delhi, NIC Raipur, Patni Computers Mumbai, Wipro Pune, HCL Noida, CMC Raipur, CMC Bilaspur.
Teachers Education	100 students are enrolled for B.Ed. and 40 for the M.Ed. course in each session, more than 100 trainees are working with Central Schools, B.S.P. School, Govt. & other Private Schools as a teacher. Besides this more than 40 students are working as faculty member in different private

Annual Quality Assurance Report: 2007-2008

	colleges of B.Ed. & M.ED.
Electronics	Students appear in the competitive examination and get placement as per their order of merit. They are also encouraged to use online job/placement through internet.
Institute of Management	Placement cell of the university facilitate the placement activities. Majority of the students get placed through the cell.
Physical Education	Placement cell of the university facilitate the placement activities. Majority of the students get placed in various schools and college in the State and out side the State.

38. Development programme for non-teaching staff:

Computer Science: Computer Training Program –2007-08 given to employees of Administrative dept., Pt. RSU.

Geography: One member completed NNRMS ISRO sponsored course on remote sensing and GIS Application in Cartography and Mapping.

Mathematics: Computer Training of 1 month for office clerks.

Institute of Management: Stress and health management workshop was conducted for the benefit of the employees of the university.

Physical Education: All Staff are encouraged to take part in health related physical fitness programme.

39. Healthy practices of the Institution:

Strict academic discipline to ensure quality of education.

Involves teachers for all round development of the department.

More emphasis on interactive learning and hands-on-training.

Maintaining self assessment through Annual Performance Appraisal.

Anti-ragging committee in the department.

Welcome to new-comers and Farewell to senior students.

Parent-Teacher interaction

Admission procedure is totally transparent.

Good interaction between students & teachers.

Special Focus on co-curricular activity and social awareness programs.

Apart from academic activities, various literary activities (General and Technical Quiz, Seminars & Group Discussion, Expert Lectures etc.) and Extra Curricular Activities (Teacher's day Celebration, Welcome and Farewell function etc.) are being organized in School of Studies from time to time.

Annual Quality Assurance Report: 2007-2008

Students of our Department had also participated in Intercollegiate Essay, Debate; Dance & Song Competition organized by Pt. RSU, Raipur and won 2nd Prize in Debate & Essay Competition on 2nd Oct. 2007.

Institute of Management:

Selection to the institute is based on National test conducted by AIMA (MAT), so the students from all over the country could get the opportunity for admission in our Institute. Institute of Management prepares its academic calendar which covers every details of activities starting from the commencement of academic session to sessional examinations, semester examinations etc. Strict adherence to academic calendar has resulted in timely completion of examinations and results declaration before end of April, every year. Institute of Management continuously tries to develop an interface with the industry by organizing industrial tours and workshops with the active involvement of leading industrial executives and academics invited from different parts of the country. The institute has its alumni association which helps in making a continuous relationship with alumnus who help in development of students. Alumni meet is organized every year in the institute.

The institute has a summer Training Cell and Placement Cell which exposes its students to the real life situations in the industry and helps in summer placement and final placement of students. The institute has its own reference library and students Club which helps in their personality and intellectual development by providing the knowledge and opportunities

SoS in Physical Education:

- i. Entrance test is conducted for admission in all the courses. NCTE norms are followed for admission and other purposes.
- ii. SoS Physical Education works as per academic calendar Intramural activities are being conducted every Saturday. Sports quiz competition, Khel Diwas and interdepartmental competition are being organized regularly.
- iii. Sessional examinations, semester examinations etc. are strict in adherence to academic calendar of the university has resulted in timely completion of examinations and results declaration before end of April, every year
- iv. National Anthem is being sung every day, in the morning by students and staff.

40. Linkages developed with National/International, Academic/Research bodies:

SoS in Anthropology, Indian Statistical Institute, Kolkata; Anthropological Survey of India, Kolkata

SoS in Chemistry, 1. Bhabha Atomic Research Centre (BARC), MUMBAI Trombay, Mumbai; 2. Institute of Science, Nagpur; 3. Defence Research Development Establishment, Gwalior;

SoS in Law, 1. Indian Law Institute, New Delhi; 2. Central India Law Institute, Jabalpur; 3. Indian Society of International Law, New Delhi.

Annual Quality Assurance Report: 2007-2008

SoS in Life Science, 1. BIOCOS, University of Minnesota, Minnesota, USA; 2. National Institute of Plant Genomic Research, New Delhi; 3. International Plant Genetic Research Institute, Italy; 4. Department of Zoology, BHU, Varanasi.

SoS in Physics, 1. IUCAA, Pune; 2. Institute of Astrophysics, France; 3. Australian Observatory; 4. Solid State Ionic Group, University of Delhi.

Any other relevant information the institution wishes to add:

The university organized Inter University East Zone Youth Festival during 27-31 December 2007 sponsored by AIU, New Delhi. 14 University of east zone region of the country from several states participated in the cultural events in five major categories.

Research work on "QSAR and Drug Design for Anti-tumor/Anti-cancer Activity" has been initiated in the SoS Chemistry. Work on "Arsenic Contamination" in Chhattisgarh is being carried out.

Academic Staff College organized one Orientation Program, two Refresher Courses and one Workshop for Principals during 2007-08.

Institute of Pharmacy proposes establishment of herbal formulary in the next academic session.

PART C: Details of the plans of the institution for the next year

Academic (Teaching & Research)

- To fill up the vacant positions of faculty
- To create new positions for faculty in various School of Studies
- To provide state-of-the-art labs for students and research scholars
- To encourage faculty to organize national/ international seminars, symposia, conferences and workshops
- To encourage faculty and research scholars to participate in national/ international seminars, symposia, conferences and workshops
- To invite experts to deliver guest lectures in various SoS
- To encourage faculty to initiate collaborative research with their peers in other national and international institutions
- To encourage faculty to undertake minor and major research projects
- To install latest audio-visual gadgets in all SoS to enhance the quality of teaching
- To encourage faculty to publish their research outcome in peer-reviewed journals.
- To develop inventories for student feedback on teaching-learning to ensure quality in teaching.
- To introduce ICT to make teaching-learning process more effective.

Infrastructure & Learning Resources

- To expand office and lab space in the campus
- To improve University web-site and to form central computing system for the benefit of the students
- To provide network labs to students
- To augment infrastructural facilities in library and subscribing to more number of journals for the benefit of the staff and students.

Student Support Services

- To introduce the scheme "Earn-While-Learn (EWL)"
- To provide special coaching classes for GATE, CSIR-UGC (NET) aspirants.
- To train students to have careers in Corporate Sector, Civil Services, Multilateral Agencies, Market Research Agencies

Annual Quality Assurance Report: 2007-2008

- To help students by providing them with various scholarships and fellowships
- To expand student-specific health facilities of the existing health center

Others

- To promote co-curricular activities intensively
- To promote activities of the Alumni Association. At present few departments have their own alumni association. There is an urgent need to create a central Alumni Association for the University
- To initiate environment awareness programs among the students and general public
- Entrepreneurship guidance for those interested in developing business of their own.

Dr. A.K. Gupta
CO-ORDINATOR, IQAC

Prof. S.K. Pandey
VICE-CHANCELLOR